

### **REMARKS**

Claims 1-20 are pending in the present application. The Examiner has objected to claims 1, 7, 10, and 12 because of various informalities. Claims 11, 19, and 20 have been rejected under § 112 as being indefinite. Claims 1, 12, 15, and 17-19 have been rejected under §102(b) as being anticipated by Cho 5,834,978 (hereinafter "Cho"). Claims 5-8, 10, and 16 have been rejected under §103 as being unpatentable over Cho. Claims 2-4, 9, 13, 14, and 20 are allowable.

Various claims have been amended.

Claims 3, 4, 6, 9, and 11 have been canceled to minimize extra claim fees, not in response to any rejections.

New claims 49-55 have been added.

#### **Claim Objections**

Claims 1, 7, 8, and 10 have all been objected to, and the Examiner has suggested replacing "a circuit" (or "the circuit") with "a bias circuit" (or "the bias circuit"). These claims have been amended as suggested by the Examiner to address the informalities. The amendments discussed in this paragraph were not made to distinguish any prior art.

#### **Section 112 Rejections**

Claim 11 has been canceled, making the rejection to claim 11 moot.

Claim 19 has been amended to create sufficient antecedent basis for claims 19 and 20.

The amendment to claim 19 was not made to distinguish any prior art.

#### **Prior Art Rejections**

Claims 1, 12, 15, and 17-19 (including independent claims 1 and 12) have been rejected under §102(b) as being anticipated by Cho.

Amended claim 1 recites a circuit for regulating the output power of a power amplifier during a switching transient, including "a detector circuit coupled to the regulator and to a control signal that is generated to control the output power of the power amplifier, wherein the detector circuit detects switching transients of the power amplifier" and "a bias circuit coupled to the regulator for applying a signal to decrease the settling time of the regulator during a detected switching transient, wherein the regulator continues to provide regulated power to the power amplifier while the signal is applied." Applicants argue that amended claim 1 is not anticipated by Cho.

Cho describes an apparatus for protecting a wireless phone from overcurrent conditions. Cho uses an overcurrent detector 16 and a switching unit 14 (FIGS. 1 and 2) to stop power from being applied to the power amplifier module 18 when an overcurrent condition is detected. As shown in FIG. 2 of Cho, when an overcurrent condition is detected, transistor Q1 is turned off, which stops power from being applied to the power amplifier module 18. (Cho, Col. 3, lines 46-63).

There appears to be no teaching in Cho of all of the elements in amended claim 1. For example, Cho does not appear to discuss a detector that detects switching transients of a power amplifier. Also, when an overcurrent condition is detected, Cho teaches stopping power from being applied to the power amplifier. For at least these reasons, it is believed that amended claim 1 is not anticipated by Cho. Since claims 2, 5, 7, 8, and 10 depend from amended claim 1, it is also believed that these claims are also not anticipated by Cho.

Amended claim 12 recites a circuit for regulating the output power of a power amplifier during a switching transient including "control circuitry coupled to the regulator for decreasing the settling time of the regulator in response to a detected condition, wherein the regulator

continues to provide regulated power to the power amplifier while the condition is detected." For at least the reasons set forth above with respect to claim 1, Applicants argue that amended claim 12 is not anticipated by Cho. Since claims 13-20 and 49-50 depend from amended claim 1, it is also believed that these claims are also not anticipated by Cho.

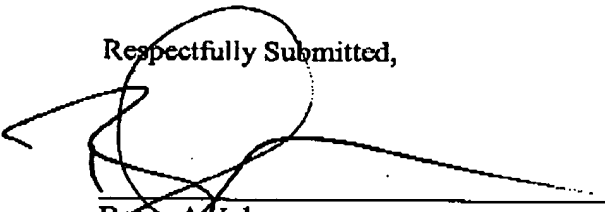
New independent claim 51 has been added. Applicants believe that new claim 51 is not anticipated by Cho. Since claims 52-55 depend from claim 51, it is also believed that these claims are also not anticipated by Cho.

#### Conclusion

It is respectfully submitted that all claims are patentable over the prior art. It is further more respectfully submitted that all other matters have been addressed and remedied and that the application is in form for allowance. Should there remain unresolved issues that require adverse action, it is respectfully requested that the Examiner telephone Bruce A. Johnson, Applicants' Attorney at 512-301-9900 so that such issues may be resolved as expeditiously as possible.

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Date

Respectfully Submitted,

  
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